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Title of the Invention:

Data Communication Method, Data Communication Apparatus and Data Communication System

Abstract of the Disclosure

Data communication is effected from one to the other communication apparatus, and data communication is registered. The objective of the present invention is to prevent double recording, which otherwise, would be caused by line defects.

Referring to Fig.1, a public telephone 20 comprises a card processing unit 21, a coin processing unit 22, a dialing means 23, a communication circuit 24, line interface 25, a communication control 26, a data writing-in means 27, a data memory 28, a data communication processing means 30 and a modem 31. Every public telephone is connected to a telephone network 1 via lines 2. A center unit 35 comprises a data communication processing means 36 and a center memory 37, and it is connected to the telephone network via a modem 3.

The data communication processing means 30 sends data along with an indication of new data or resent data to the center unit 35. When data arrives at the center unit 35, it sends a confirmation signal to the sending end, and it records the data in the memory 37 when it is found to be new data. Otherwise, the center unit 35 compares the received data with the last one of the record in the memory 37 to determine whether or not the received data corresponds to the last-recorded data. In the negative case the received data is stored in the memory 37. In the affirmative case the received data is discarded. The public phone is responsive to no response of confirmation from the center unit 35 for resending same data along with the resending indication yto the center unit 35.